

# Atlantic Richfield Company

**Roy I. Thun**  
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September 5, 2007

## **CERTIFIED – RETURN RECEIPT REQUESTED**

Mr. Jim Sickles and Ms. Nadia Hollan-Burke  
Remedial Project Managers  
U.S. Environmental Protection Agency Region 9  
75 Hawthorne Street, SFD-8-2  
San Francisco, CA 94105

**Subject: August 2007 Monthly Report, Yerington Mine Site, Lyon County, Nevada:  
Administrative Order for Remedial Investigation and Feasibility Study, EPA Docket  
No. 9-2007-0005**

Dear Mr. Sickles and Ms. Hollan-Burke:

Pursuant to the above referenced order issued by the U.S. Environmental Protection Agency (EPA), please note the following monthly status report for Atlantic Richfield Company (ARC) activities at the Yerington Mine Site during August 2007.

### Operations, Maintenance and Site Security

- Pumpback well system averaged approximately 61.0 gpm; all 11 wells operated 24/7 with minor downtime for preventive maintenance (wells PW-4 and PW-7). PW-10 was off-line for 15 days to make pump and motor repairs, and clean the well casing interior.
- Arimetco heap leach fluid management system (FMS) operations continued. Total estimated gallons transferred from VLT Pond to Evaporation Pond = 0 gal. SSP to VLT Pond = 0 gal; SSP to Evaporation Pond = 0 gal; Plant Feed to Evaporation Pond = 0 gal; Raff sump to Phase 1 Pond = 0 gal. Pond levels: Evaporation Pond = 3.5 ft; VLT Pond = 7 ft; Slot 2 Pond = 7 ft. Phase I, Plant Feed and Mega ponds continued to remain dry.
- Received bids from two electrical contractors for replacement of stolen VLT pond pump electrical components.

### Other Site Activities

- EPA personnel and contractor on site weeks of July 31 and August 6.
- Stan Weimeyer (USFWS) conducted bird count on August 6 and 27.
- Participated in Stakeholder's meeting August 22, 2007.

A BP affiliated company



Site Characterization (includes routine groundwater monitoring activities)

- Submitted Draft Site-Wide Groundwater Monitoring Plan to EPA on August 8.
- 3Q 2007 groundwater sampling event conducted August 6-10.
- Initiated 3Q 2007 groundwater sample analysis data QA/QC process
- Site-wide monthly groundwater elevation measurements completed August 30.
- Continued air quality monitoring program, and preparation of the 2Q 2007 Air Quality Monitoring Report including data collected during the dust storm event on June 5, 2007.
- Reviewed EPA comments to the revised Air Quality Monitoring Work Plan, and initiated responses and Work Plan revisions for submittal by September 13, 2007.
- Submitted the revised QAPP and associated response to EPA comments on August 21, 2007.
- Continued the phyto-remediation pilot study.
- Completed field work associated with the Background Soils Work Plan, and initiated preparation of the draft Data Summary Report.
- Continued the 2<sup>nd</sup> Step HFA drilling, zonal sampling and well installation program including the completion of B/W-23 and the drilling and sample collection form B/W-29.
- Submitted the Draft Process Areas (OU3) RI Work Plan on August 31, 2007.
- Continued wildlife observation activities (field surveys and camera trap photo-documentation); performed camera trap maintenance; development of quarterly wildlife patrol report, based on routine Site patrols.

**Planned September 2007 Activities**

- Continue routing O&M and site security activities; bring VLT pond pump back on line.
- Continue 2Q and 3Q 2007 groundwater sample analysis QA/QC process.
- Continue preparation of the Data Summary Report for Background Soils
- Continue the 2<sup>nd</sup> Step HFA program, including installation of pressure transducers in the pit lake.
- Continue the phyto-remediation pilot project.
- Respond to comments and submit the revised Air Quality Monitoring Work Plan by September 13, 2007.
- Respond to comments and submit the revised Site-Wide Groundwater (OU1) RI Work Plan by September 28, 2007.
- Continue the wildlife observation program on the site, including photo-documentation in the area of the evaporation ponds and sewage treatment ponds at the northern portion of the site.
- Participate in the Yerington Technical Group meeting conference call.

If you have any questions or comments, please feel free to contact me at (661) 287-3855 or via e-mail at [Roy.Thun@bp.com](mailto:Roy.Thun@bp.com).

Sincerely,

*Chuck Zimmerman for*  
Roy Thun  
Environmental Business Manager



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Yerington Monthly Update  
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cc: Mike Montgomery, EPA – via electronic mail  
Joe Sawyer, NDEP – via electronic mail  
Tom Olsen, BLM – via electronic mail  
Dan Newell, City of Yerington Manager – via electronic mail  
Phyllis Hunewill, Lyon County Commissioner – via electronic mail  
Chris Winsor, Atlantic Richfield Company - via electronic mail  
Todd Normane, Atlantic Richfield Company – via electronic mail  
John Batchelder, Atlantic Richfield Company – via electronic mail  
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